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High-level execution and communication support for parallel grid applications in JGrid

kuas.edu.tw [PDF]

S Pota, Z Juhasz - Parallel and Distributed Processing ..., 2006 - leeexplore leee.org

... represent the synchronous and asynchronous remote evaluation, with the allocate() method one can create message passing parallel applications, while ... than the URL classloader of the service downloads all the necessary class files from the client class server (2) making ...

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Ninflet: a migratable **parallel** objects framework using Java

H Takagi, S Matsucka, H Nakada, S ... - Concurrency: ..., 1998 - interscience.wiley.com ... environment, but also could be used for implementing a virtual parallel computer on a ... can connect to the Dispatcher via a Web browser, displaying various server statuses as ... amongst multiple Dispatchers, avoiding the possible bottlenecks when the **client** requests concentrates ...

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[PDF] An Assessment of the Apache Web Server 2.0 Performance on Linux

hanafos.com (PDF)

K Chong, MYSH Non - ... of the 2002 International Symposium on ..., 2002 - myfile hanafos.com ... However, the results from the previous subsection do not support evidence of scalability for the MPM-worker. Table 4 shows the total number of children (that is, processes and/or threads) **spawned** for each of the **server** types when the **client** size is 150. ...

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[PDF] A Java Parallel Computing Framework for Heterogeneous Networks

psu.edu (PDF)

G Mukarakate - 2002 - Citeseer

... [CM01] describe Computation eXchange (CX), a scalable and robust network for parallel computing. ... Basically, CX consists of the following entities: • Consumer - a client that needs computing resources; ... Task Server - a process that coordinates task distribution among a set of ...

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A framework of reusable structures for mobile agent development

T Marian, B Dumitriu, M Dinsoreanu, L... - Arxiv preprint cs/0605032, 2006 - arxiv.org

... is the one that brings the **client** behavior to its end, thus terminating the current communication session with the **server** (the **thread** ... As a response to this, three such types of behaviors have been introduced: sequential, parallel and Finite State Machine (FSM), and more can ...

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arxiv.org (PDF)

psu.eau [FDF]

Evaluating the scalability of java event-driven web servers

V Beltran, D Carrera, J Torres, E Ayguade - 2004 - computer.org

... Proceedings of the 2004 International Conference on **Parallel** Processing (ICPP'04) 0190-3918/04 \$20.00 © 2004 IEEE Page 5. ... A connection reset error takes place when a **server** socket timeout expires, and it is seen from the **client** side of the connection as an ...

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Combining events and threads for scalable network services implementation and evaluation of monadic, application-level

ust.hk (PDF)

concurrency primitives

P Li, S Zdancewic - ACM SIGPLAN Notices, 2007 - portal acm.org

... with monadic **threads** In the do-syntax, the programmer can write code for each **client** session in ... the accepted connection is returned, otherwise it waits for an EPOLL READ event on the **server** socket, indicating ... The **worker main** event loops are simply **thread** schedulers: they ...

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<u>Transmission of higher-order objects across a network of heterogeneous machines</u>

H Cejtin, S Jagannathan, RA Kelsey - US Patent 5,745,703, 1998 - Google Patents

... map (lambda (aspace) (remote-apply aspace make-proxy ()))) worker-aspaces)) (values ... for threads, incrementally- linked distributed computations, and parameterized client- server applications, facilitate ... These issues concern the interaction of parallel and distributed tasks with ...

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[PDF] A language-based approach to unifying events and threads

psuledu (PDF)

P Li, S Zdancewic - 2006 - Citeseer

... server = do { sys_call_1; fork client; server; } client = do { sys_call_2 ... the accepted connection is returned, otherwise it waits for an EPOLL READ event on the server socket, in ... round-robin scheduler; it uses a task queue called ready queue and an event loop called worker main. ...

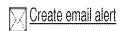
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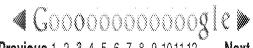
[PDF] Client-Server Design Alternatives: Back to Pipes but with Threads

B RoussevΩ, J Wuæ - cis.temple.edu

... where the **server** spawns a new **thread** to handle the **client** connection. ... Theoretically, this **server** design should give good performance when the load factor ´approaches 1. ... 3. GC Fox and W. Furmanski, "Java for **parallel** computing and as a general language for scientific and ...

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